

CLAIMS

What is Claimed is:

1. A method for receiving information comprising:
 - a) transmitting a communication signal from a first electronic device to a second electronic device using a wireless communication protocol, said second electronic device comprising a processor, and a wireless communication device and wherein said processor is in a sleep mode while said wireless communication device is awake;
 - b) receiving said communication signal from said first device;
 - c) in response to b) and provided a communication port is closed, automatically triggering an interrupt to wake up the processor;
 - d) opening said communication port coupled to said wireless communication device to receive said communication signal; and
 - e) storing said communication signal.
2. A method as described in Claim 1 wherein said second electronic device is a personal digital assistant (PDA).
3. A method as described in Claim 1 wherein said second electronic device is a handheld computer.
4. A method as described in Claim 1 wherein said wireless communication device substantially complies with the Bluetooth protocol.
5. A method as described in Claim 1 wherein said wireless communication device is Infrared (IR).

6. A method as described in Claim 1 further comprising the steps of determining if said first electronic device belongs to a list of trusted devices before generating said interrupt to wake said processor.

7. A method as described in Claim 6 wherein said processor adds an identification of a transmitting device to said list of trusted devices.

8. A method as described in Claim 6 wherein a user initially creates said list of trusted devices in said processor.

9. A method as described in Claim 1 wherein said communication port is a serial port.

10. A method as described in Claim 1 wherein said communication port is a USB.

11. A method as described in Claim 1 further comprising:
upon power-up, notifying a user that a communication has been stored according to e); and
providing said user with an accept/reject function with respect to any stored communications.

12. A method for receiving information comprising:
a) transmitting a communication signal from a first electronic device to a second electronic device using a wireless communication protocol, said second electronic device comprising a processor and a wireless communication device;

- b) said wireless device in said second electronic device continuously scanning for wireless traffic while said processor is in a sleep mode;
- c) initially receiving said communication signal from said first device while a communication port of said second electronic device is closed;
- d) in response to c) said wireless communication device triggering an interrupt line activating the processor; and
- e) said processor opening said communication port and receiving the communication signal.

13. A method as described in Claim 12 wherein said second electronic device is a personal digital assistant (PDA).

14. A method as described in Claim 12 wherein said second electronic device is a handheld computer.

15. A method as described in Claim 12 wherein said wireless communication device substantially complies with the Bluetooth specification.

16. A method as described in Claim 12 wherein said wireless communication device is Infrared (IR).

17. A method as described in Claim 12 further comprising the steps of determining if said first electronic device belongs to a list of trusted devices before generating said interrupt to wake said processor.

18. A method as described in Claim 17 wherein said processor adds an identification of a transmitting device to said list of trusted devices.

19. A method as described in Claim 17 wherein a user initially creates said list of trusted devices in said processor.

20. A method as described in Claim 12 wherein said communication port is a serial port.

21. A method as described in Claim 12 wherein said communication port is a universal serial bus (USB).

22. A method as described in Claim 12 further comprising:
storing said communication signal;
upon power-up, notifying a user that a communication has been stored;
and
providing said user with an accept/reject function with respect to any stored communications.

23. A portable electronic device comprising:
a processor capable of being switched between a sleep mode and an awake mode;
a wireless receiver continuously scanning for wireless message traffic independent of the sleep/wake state of said processor;
a communication port coupled to said wireless receiver and coupled to said processor and for receiving information from said wireless receiver; and
an interrupt mechanism for generating a wake-up interrupt signal for waking said processor in response to any wireless message traffic detected by said wireless receiver,

wherein said processor is for opening said communication port in response to said wake-up interrupt signal and further for causing wireless information at said communication port to be received and stored.

24. A portable electronic device as described in Claim 23 wherein said wireless receiver comprises a base band processor for identifying the transmitting device of detected wireless traffic and for comparing said transmitting device against a list of trusted devices.

25. A portable electronic device as described in Claim 23 wherein said portable electronic device is a handheld computer.

26. A portable electronic device as described in Claim 23 wherein said portable electronic device is a pager.

27. A portable electronic device as described in Claim 23 wherein said communication port is a serial port.

28. A portable electronic device as described in Claim 23 wherein said wireless receiver is substantially compliant with the Bluetooth communication protocol.

29. A portable electronic device as described in Claim 23 wherein said wireless receiver is infrared.

30. A portable electronic device as described in Claim 23 wherein said processor is also for notifying a user of any saved messages upon said

portable electronic device being powered on and providing said user with an accept/reject function regarding said saved messages.